

## Table ENG-4. - Building Site Development

McDowell County, West Virginia

The information in this table indicates the dominant soil condition, but does not eliminate the need for onsite investigation. The numbers in the value column range from 0.01 to 1.00. The larger the value, the greater the potential limitation. Limiting features in this report are limited to the top 5 limitations. Additional limitations may exist.

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
05: Yeager	100	Very limited Flooding	1.00	Very limited Cutbanks cave Flooding Depth to saturated zone	1.00 0.60 0.15	Somewhat limited Flooding Droughty	0.60 0.17
Holly	5	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
08: Yeager	100	Very limited Flooding	1.00	Very limited Cutbanks cave Flooding Depth to saturated zone	1.00 0.60 0.15	Somewhat limited Flooding Droughty	0.60 0.17
Holly	5	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
09: Chavies	95	Somewhat limited Flooding	0.40	Somewhat limited Cutbanks cave	0.10	Not limited	
Holly	5	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
20E: Pineville	60	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope Gravel content Content of large stones	1.00 0.07 0.05
Lily	25	Very limited Slope Frost action Depth to hard	1.00 0.50 0.46	Very limited Depth to hard Slope Cutbanks cave	1.00 1.00 0.10	Very limited Slope Depth to bedrock Content of large stones	1.00 0.46 0.20
Other Soils	20	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
30C:							

**Table ENG-4. - Building Site Development - Continued**

Mcdowell County, West Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets	Shallow Excavations		Lawns and Landscaping		
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
30C: Lily	100	Somewhat limited Depth to hard Slope	0.46 0.04	Very limited Depth to hard Cutbanks cave Slope	1.00 0.10 0.04	Somewhat limited Depth to bedrock Slope	0.46 0.04
30E: Gilpin	40	Very limited Slope Frost action	1.00 0.50	Very limited Slope Depth to soft Cutbanks cave	1.00 0.46 0.10	Very limited Slope Depth to bedrock	1.00 0.46
Lily	40	Very limited Slope Depth to hard	1.00 0.46	Very limited Depth to hard Slope Cutbanks cave	1.00 1.00 0.10	Very limited Slope Depth to bedrock	1.00 0.46
Other Soils	20	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
31E: Gilpin	40	Very limited Slope Frost action	1.00 0.50	Very limited Slope Depth to soft Cutbanks cave	1.00 0.46 0.10	Very limited Slope Depth to bedrock	1.00 0.46
Lily	40	Very limited Slope Depth to hard	1.00 0.46	Very limited Depth to hard Slope Cutbanks cave	1.00 1.00 0.10	Very limited Slope Depth to bedrock	1.00 0.46
Other Soils	20	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
39F: Pineville	40	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope Content of large stones Gravel content	1.00 0.84 <0.01
Berks	35	Very limited Slope	1.00	Very limited Slope Depth to soft Cutbanks cave	1.00 0.46 0.10	Very limited Slope Droughty Content of large stones	1.00 1.00 0.95

**Table ENG-4. - Building Site Development - Continued**

Mcdowell County, West Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets	Shallow Excavations		Lawns and Landscaping		
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
39F: Other Soils	25	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
41F: Pineville	40	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope Content of large stones Gravel content	1.00 0.84 0.01
Berks	35	Very limited Slope	1.00	Very limited Slope Depth to soft Cutbanks cave	1.00 0.46 0.10	Very limited Slope Droughty Content of large stones	1.00 1.00 0.95
Other Soils	25	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
49F: Berks	50	Very limited Slope	1.00	Very limited Slope Depth to soft Cutbanks cave	1.00 0.46 0.10	Very limited Slope Droughty Content of large stones	1.00 1.00 0.95
Rock Outcrop	30	Not Rated		Not Rated		Not Rated	
50: Urban Land	45	Not Rated		Not Rated		Not Rated	
Chavies	30	Somewhat limited Flooding	0.40	Somewhat limited Cutbanks cave	0.10	Not limited	
Other Soils	10	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Holly	5	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
70B: Cedarcreek	100	Somewhat limited Frost action Slope	0.50 0.04	Somewhat limited Cutbanks cave Slope	0.10 0.04	Somewhat limited Content of large stones Gravel content Slope	0.84 0.70 0.04

**Table ENG-4. - Building Site Development - Continued**

Mcdowell County, West Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets	Shallow Excavations		Lawns and Landscaping		
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
70B: Wet Minesoil	5	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
70F: Cedarcreek	65	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope Content of large stones Gravel content	1.00 0.84 0.70
Other Soils	20	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Rock Outcrop	15	Not Rated		Not Rated		Not Rated	
71B: Kaymine	100	Somewhat limited Frost action Slope	0.50 0.04	Somewhat limited Cutbanks cave Slope	0.10 0.04	Somewhat limited Content of large stones Gravel content Slope	0.84 0.70 0.04
Wet Minesoil	5	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
71F: Kaymine	65	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope Content of large stones Gravel content	1.00 0.84 0.70
Other Soils	20	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Rock Outcrop	15	Not Rated		Not Rated		Not Rated	
72B: Itmann	100	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Gravel content Slope Droughty	1.00 1.00 0.09
72F:							

**Table ENG-4. - Building Site Development - Continued**

Mcdowell County, West Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets	Shallow Excavations		Lawns and Landscaping		
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
72F: Itmann	100	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Gravel content Slope Droughty	1.00 1.00 0.09
73B: Itmann	100	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Gravel content Slope Droughty	1.00 1.00 0.09
73F: Itmann	100	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Gravel content Slope Droughty	1.00 1.00 0.09
74F: Kaymine	35	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope Content of large stones Gravel content	1.00 0.84 0.70
Cedarcreek	25	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope Content of large stones Gravel content	1.00 0.84 0.70
Dekalb	20	Very limited Slope Depth to hard	1.00 0.46	Very limited Depth to hard Slope Cutbanks cave	1.00 1.00 0.10	Very limited Slope Content of large stones Droughty	1.00 0.84 0.72
Other Soils	20	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
75B: Kaymine	35	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope Content of large stones Gravel content	1.00 0.84 0.70

**Table ENG-4. - Building Site Development - Continued**

Mcdowell County, West Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets	Shallow Excavations		Lawns and Landscaping		
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
75B: Cedarcreek	25	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope Content of large stones Gravel content	1.00 0.84 0.70
Dekalb	20	Very limited Slope Depth to hard	1.00 0.46	Very limited Depth to hard Slope Cutbanks cave	1.00 1.00 0.10	Very limited Slope Content of large stones Droughty	1.00 0.84 0.72
Other Soils	20	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
75F: Kaymine	65	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope Content of large stones Gravel content	1.00 0.84 0.70
Other Soils	20	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Rock Outcrop	15	Not Rated		Not Rated		Not Rated	
76B: Sewell	100	Somewhat limited Frost action Slope	0.50 0.04	Somewhat limited Cutbanks cave Slope	0.10 0.04	Very limited Content of large stones Droughty Slope	1.00 0.09 0.04
Wet Minesoil	5	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
76F: Sewell	65	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope Content of large stones Droughty	1.00 1.00 0.09
Other Soils	20	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00

**Table ENG-4. - Building Site Development - Continued**

Mcdowell County, West Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets	Shallow Excavations		Lawns and Landscaping		
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
76F: Rock Outcrop	15	Not Rated		Not Rated		Not Rated	
80: Udorthents	100	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
BrF: Berks	50	Very limited Slope	1.00	Very limited Slope Depth to soft Cutbanks cave	1.00 0.46 0.10	Very limited Slope Droughty Content of large stones	1.00 1.00 0.95
Rock Outcrop	30	Not Rated		Not Rated		Not Rated	
CeB: Cedarcreek	100	Somewhat limited Frost action Slope	0.50 0.04	Somewhat limited Cutbanks cave Slope	0.10 0.04	Somewhat limited Content of large stones Gravel content Slope	0.84 0.70 0.04
Wet Minesoil	5	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
CrF: Cedarcreek	65	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope Content of large stones Gravel content	1.00 0.84 0.70
Other Soils	20	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Rock Outcrop	15	Not Rated		Not Rated		Not Rated	
Cv: Chavies	95	Somewhat limited Flooding	0.40	Somewhat limited Cutbanks cave	0.10	Not limited	
Holly	5	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
GIE:							

**Table ENG-4. - Building Site Development - Continued**

Mcdowell County, West Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
GIE: Gilpin	40	Very limited Slope Frost action	1.00 0.50	Very limited Slope Depth to soft Cutbanks cave	1.00 0.46 0.10	Very limited Slope Depth to bedrock	1.00 0.46
Lily	40	Very limited Slope Depth to hard	1.00 0.46	Very limited Depth to hard Slope Cutbanks cave	1.00 1.00 0.10	Very limited Slope Depth to bedrock	1.00 0.46
Other Soils	20	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
ItF: Itmann	100	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Gravel content Slope Droughty	1.00 1.00 0.09
KaB: Kaymine	100	Somewhat limited Frost action Slope	0.50 0.04	Somewhat limited Cutbanks cave Slope	0.10 0.04	Somewhat limited Content of large stones Gravel content Slope	0.84 0.70 0.04
Wet Minesoil	5	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
KcF: Kaymine	35	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope Content of large stones Gravel content	1.00 0.84 0.70
Cedarcreek	25	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope Content of large stones Gravel content	1.00 0.84 0.70
Dekalb	20	Very limited Slope Depth to hard	1.00 0.46	Very limited Depth to hard Slope Cutbanks cave	1.00 1.00 0.10	Very limited Slope Content of large stones Droughty	1.00 0.84 0.72



**Table ENG-4. - Building Site Development - Continued**

Mcdowell County, West Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets	Shallow Excavations		Lawns and Landscaping		
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
KcF: Other Soils	20	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
KrF: Kaymine	65	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope Content of large stones Gravel content	1.00 0.84 0.70
Other Soils	20	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Rock Outcrop	15	Not Rated		Not Rated		Not Rated	
LIC: Lily	100	Somewhat limited Depth to hard Slope	0.46 0.04	Very limited Depth to hard Cutbanks cave Slope	1.00 0.10 0.04	Somewhat limited Depth to bedrock Slope	0.46 0.04
PBF: Pineville	40	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope Content of large stones Gravel content	1.00 0.84 <0.01
Berks	35	Very limited Slope	1.00	Very limited Slope Depth to soft Cutbanks cave	1.00 0.46 0.10	Very limited Slope Droughty Content of large stones	1.00 1.00 0.95
Other Soils	25	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
PIE: Pineville	60	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope Gravel content Content of large stones	1.00 0.07 0.05

**Table ENG-4. - Building Site Development - Continued**

Mcdowell County, West Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
PIE: Lily	25	Very limited Slope Frost action Depth to hard	1.00 0.50 0.46	Very limited Depth to hard Slope Cutbanks cave	1.00 1.00 0.10	Very limited Slope Depth to bedrock Content of large stones	1.00 0.46 0.20
Other Soils	20	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
SeB: Sewell	100	Somewhat limited Frost action Slope	0.50 0.04	Somewhat limited Cutbanks cave Slope	0.10 0.04	Very limited Content of large stones Droughty Slope	1.00 0.09 0.04
Wet Minesoil	5	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
SrF: Sewell	65	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope Content of large stones Droughty	1.00 1.00 0.09
Other Soils	20	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Rock Outcrop	15	Not Rated		Not Rated		Not Rated	
Ud: Udorthents	100	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Ur: Urban Land	45	Not Rated		Not Rated		Not Rated	
Chavies	30	Somewhat limited Flooding	0.40	Somewhat limited Cutbanks cave	0.10	Not limited	
Other Soils	10	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00

**Table ENG-4. - Building Site Development - Continued**

Mcdowell County, West Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
Ur: Holly	5	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
W: Water	100	Not Rated		Not Rated		Not Rated	
Ye: Yeager	100	Very limited Flooding	1.00	Very limited Cutbanks cave Flooding Depth to saturated zone	1.00 0.60 0.15	Somewhat limited Flooding Droughty	0.60 0.17
Holly	5	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00